

**Notice of Allowability**

Application No.

10/563,002

Examiner

Hieu P. Nguyen

Applicant(s)

FREDERIKSEN ET AL.

Art Unit

2817

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to \_\_\_\_\_.
2. ☒ The allowed claim(s) is/are 1-51.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

## **DETAILED ACTION**

### ***Allowable Subject Matter***

Claims 1-51 are allowed.

The following is an examiner's statement of reasons for allowance:

Claims 1-51 are allowed over the prior art of record. The prior art of record, considered individually or in combination, fails to fairly teach or suggest the claimed circuit comprising, among other limitations and unobvious limitations of "wherein said filtering means (FM) is of at least fifth order" structurally and functionally interconnected with other limitations in the manner as cited in the claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Nielsen U.S. 6,297,692 discloses an analogous circuit (see e.g. Fig. 5 and related text) a self-oscillating circuit comprising comparator means (modulator from numeral 5) comprising at least one input means (numerals 1-4) and at least one output means (switching stage from numeral 5), at least one of said at least one output means is coupled to at least one of said at least

one input means via at least one filtering means (numerals 6-8), said at least one filtering means at least partly comprising demodulation means (numeral 6), but lacks to support the claimed limitation of “wherein said filtering means (FM) is of at least fifth order”.

Pullen U.S. 6,249,182 discloses an analogous circuit (see e.g. Fig. 7 and related text) a self-oscillating circuit comprising comparator means (12) comprising at least one input means (10) and at least one output means (20), at least one of said at least one output means is coupled to at least one of said at least one input means via at least one filtering means (26/28/800), said at least one filtering means at least partly comprising demodulation means (26/28), but lacks to support the claimed limitation of “wherein said filtering means (FM) is of at least fifth order”.

Stanley U.S. 6,909,321 discloses an analogous circuit (see e.g. Fig. 6 and related text) a self-oscillating circuit comprising comparator means (Modulator from numeral 43) comprising at least one input means (Error Amplifier from numeral 43) and at least one output means (42), at least one of said at least one output means is coupled to at least one of said at least one input means via at least one filtering means (44/47), said at least one filtering means at least partly comprising demodulation means (47), but lacks to support the claimed limitation of “wherein said filtering means (FM) is of at least fifth order”.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hieu Nguyen whose telephone number is 571-272-8577. The examiner can normally be reached on M-F 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Pascal can be reached on 571-272-1769. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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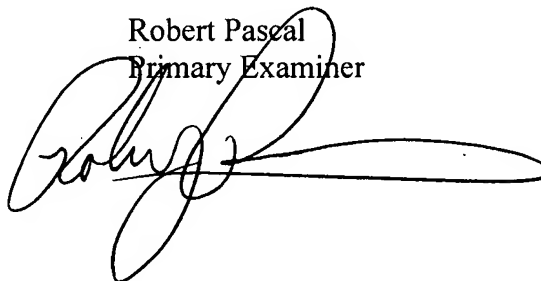
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Hieu Nguyen  
AU: 2817

hn

Robert Pascal  
Primary Examiner

A handwritten signature in black ink, appearing to read 'Robert Pascal', with a long horizontal flourish extending to the right.